

SIDEL-RATTNER MANUFACTURING CO., INC.

Cable Address
"SIDRATMAN" New York
Iron Age Code on page 8

Bush Terminal, Building No. 2, Brooklyn, N. Y., U. S. A.

Other Code Used
Western Union

Manufacturers of Automobile Tire Pumps

AUTOMOBILE TIRE PUMPS

Facilities

The plant of the Sidel-Rattner Manufacturing Co., Inc. is so organized as to secure economical production and prompt shipment. Its machinery is modern and of the type best suited for producing high grade pumps. It is located in the Bush Terminal, Brooklyn, N. Y. This location provides the best shipping facilities obtainable anywhere in the United States.

This Company manufactures automobile tire pumps exclusively. Its production is more than 250 000 pumps per year. Most of these are sold, through dealers, direct to motorists who have found it necessary to discard the cheap and inefficient pump usually supplied with motor cars.

The "Red Wonder" Pump

This pump is distinguished by a simplicity in design and a ruggedness in construction which insure ease of operation, positive action and long life. There is but one cylinder, which is single acting. This simplicity, combined with two special features of design, the positive check valve and the leak-proof piston assembly give this pump its great superiority over multi-cylinder, double-acting and other more complicated pumps.

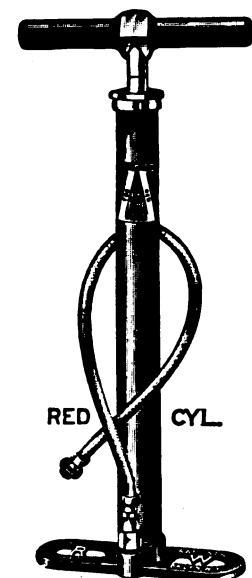


Fig. 1. "Red Wonder" Pump

The Positive Check Valve (See Fig. 2)—Is of the ball check type, air tight and dust proof, machined from heavy brass rod. An indestructible flexible seat, made of a special composition, sets on a metal base. The ball, when forced down by the back pressure finds a positive seat. It traps the compressed air remaining in the hose after each stroke. This not only prevents a leak at that point but makes the next stroke easier.

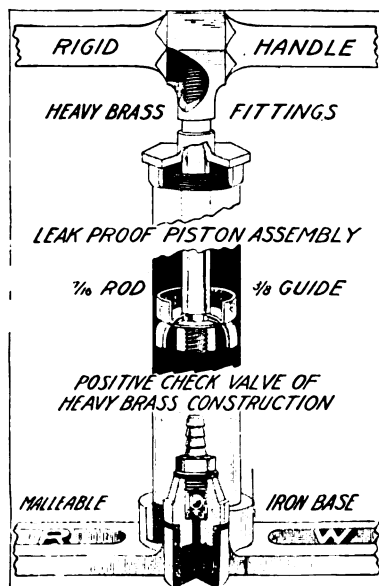


Fig. 2. Construction of "Red Wonder" Pump

The Leak-Proof Piston Assembly (See Fig. 2)—Consists of a specially constructed metal guide and a chemically treated leather cup. The piston will not become loose and

leaky, because the guide is fully supported by a shoulder on the rod. It is held rigidly against this shoulder by a nut, machine tightened. This construction also gives the "Red Wonder" pump unusual rigidity and consequent smoothness of action, eliminating the tendency to catch or buckle, so noticeable in many pumps.

Materials—Are of the best quality throughout. Cylinder is of heavy gauge steel tubing. This reduces the possibility of denting, and permits the use of a heavy thread, which will not strip. It is japanned and baked—easy to keep clean and protected against rusting.

Fittings are of lacquered solid brass; plunger rod is of $\frac{1}{8}$ -in. (11 mm.) steel and handle of hard wood.

Dimensions—No. 100—barrel, $1\frac{1}{4}$ in. (32 mm.); stroke, 20 in. (508 mm.); length overall, 23 in. (584 mm.).

No. 200—barrel, $1\frac{1}{2}$ in. (38 mm.); stroke, 17 in. (432 mm.); length overall, 20 in. (508 mm.).

The "Folding Wonder" Pump

This pump is well built and powerful. It has the simplicity of the "Red Wonder," a positive check valve and an air-tight piston assembly. The same high grade materials are used throughout.

Compactness—Is the outstanding feature of the "Folding Wonder." By removing the handle and folding the base, the work of an instant, this pump can be stowed in a small space in the tool box. When folded it measures but $21 \times 2\frac{1}{2} \times 2$ in. (533 x 64 x 51 mm.) overall.

Guarantee

Sidel-Rattner pumps are fully guaranteed. Dealers are authorized to replace defective pumps, and the Company will ship, without question, a new pump for every defective pump turned in. This obviates the necessity of carrying spare parts in stock.

Packing and Shipping

The "Red Wonder" weighs 4 lb. (2 kg.). Each pump is packed in a separate box. Cases for shipment contain 25, 50 or 100 pumps and weigh, respectively, 115, 230 and 450 lb. (50, 100 and 200 kg.).

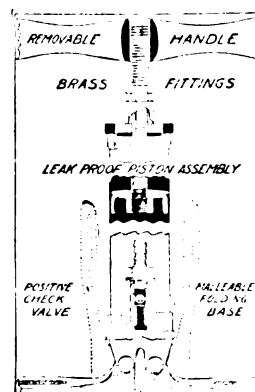


Fig. 4. Construction of "Folding Wonder" Pump

The "Folding Wonder" weighs $2\frac{3}{4}$ lb. (1 kg.). Each pump is packed in a separate box. Cases for shipment contain 25, 50 or 100 pumps and weigh, respectively, 80, 160 and 320 lb. (35, 75 and 145 kg.).

Either pump will be shipped in lots other than as above, but an extra charge will be made for broken packages.